



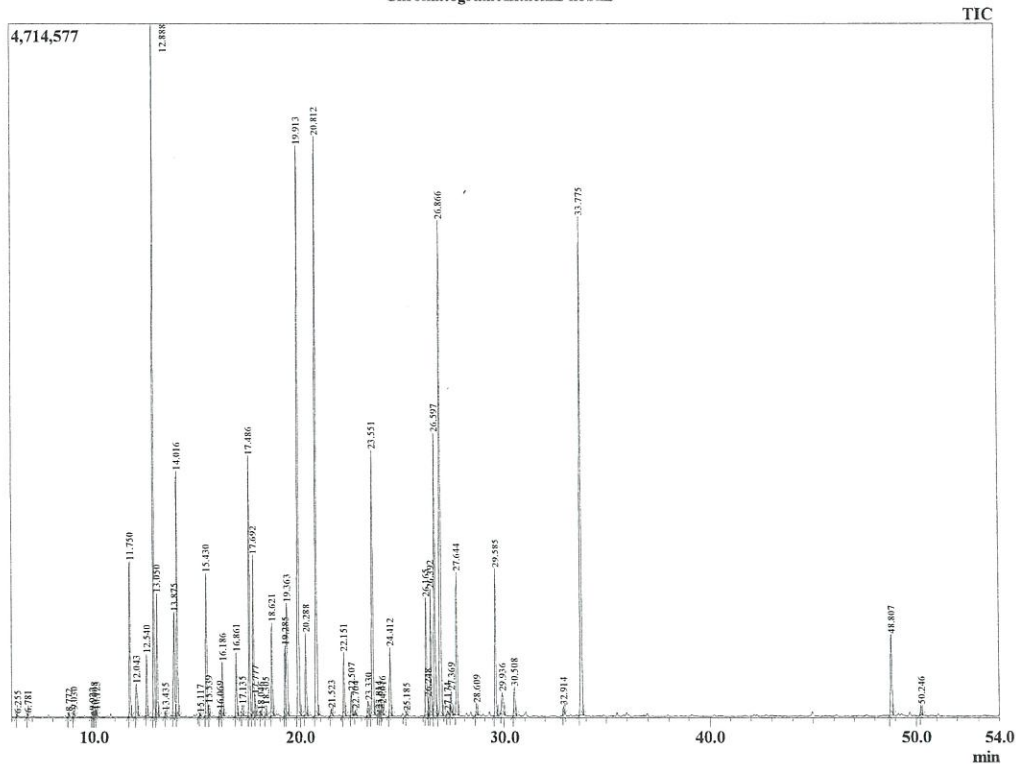
# Chamomile Roman (*Anthemis nobilis*) Lot#: USP13-PY Country: USA

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Analyzed : 3/24/2018 3:03:16 PM  
Sample Type : Essential Oil  
Sample Name : Anthemis nobilis  
Injection Volume : 0.10

### Sample Information

Chromatogram Anthemis nobilis



R. Time	Name	Area%
6.255	Isobutyl acetate	0.02
6.781	1-Octene	0.03
8.772	Ethyl 2-methylbutyrate	0.05
9.030	Propyl isobutyrate	0.08
9.922	Isopentyl acetate	0.06
10.008	2-Methylbutyl acetate	0.07
10.123	Propyl methacrylate	0.07
11.750	Isobutyl isobutyrate	1.99
12.043	Prenyl acetate	0.64
12.540	2,5,8-Trimethyl nonane	0.78
12.888	alpha-Pinene	9.45
13.050	Isobutyl methacrylate	1.64
13.435	Propyl 2-methylbutyrate	0.06
13.875	3-Methylcyclohexanone	1.87
14.016	Isobutyl butyrate	3.40
15.117	Sabinene	0.03
15.430	beta-Pinene	2.06
15.539	Unidentified	0.16
16.069	Myrcene	0.10
16.186	Ethyl tiglate isomer	0.79
16.861	Isobutyl 2-methylbutyrate	0.97
17.135	Isobutyl isovalerate	0.16
17.486	Isoamyl isobutyrate	4.06
17.692	2-Methylbutyl isobutyrate	2.51
17.777	Roman Chamomile isomer	0.27
18.046	Roman Chamomile isomer	0.07
18.305	para-Cymene	0.17
18.621	Limonene	1.42
19.285	Pentyl methacrylate	1.10
19.363	Isopentyl methacrylate	1.75
19.913	Isobutyl angelate	9.35
20.288	Prenyl isobutyrate	1.31
20.812	Methylallyl angelate	9.43
21.523	Hexyl propionate	0.11
22.151	Camphenilone	1.02
22.507	Butyl angelate	0.39
22.704	Isobutyl tiglate	0.07
23.330	Isoamyl isovalerate	0.26
23.551	2-Methylbutyl-2-methylbutyrate	4.65
23.814	Unidentified	0.06
23.923	2-Methylbutyl isovalerate	0.08
24.016	Isobutyl hexanoate	0.18
24.412	Hexyl isobutyrate	1.19
25.185	alpha-Campholenal	0.05
26.165	trans-Pinocarveol	2.08
26.248	Unidentified	0.21
26.392	Butanoic Acid Ester	2.26
26.597	Isoamyl angelate	4.97
26.866	Isoamyl tiglate	8.85
27.174	trans-beta-Terpineol	0.06
27.369	Amyl angelate isomer	0.41
27.644	Pinocarvone	2.49
28.609	cis-Pinocamphone	0.20
29.585	2-Methyl-2-butene angelate	2.55
29.936	Myrtenal	0.54
30.508	3-Methyl-3-methylpentyl butyrate	0.52

R.Time	Name	Area%
32.914	2-Hydroxy-2-methyl-but-3-enyl 2-methyl-2-c	0.13
33.775	4-Methyl amyl angelate	9.01
48.807	Germacrene D	1.59
50.246	(E,E)-alpha-Farnesene	0.17
		100.00